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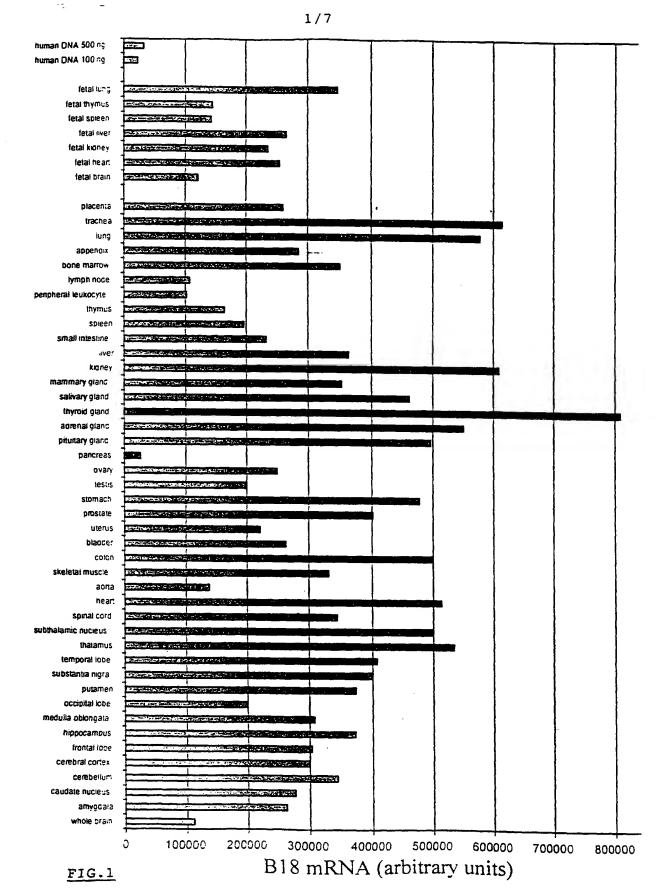
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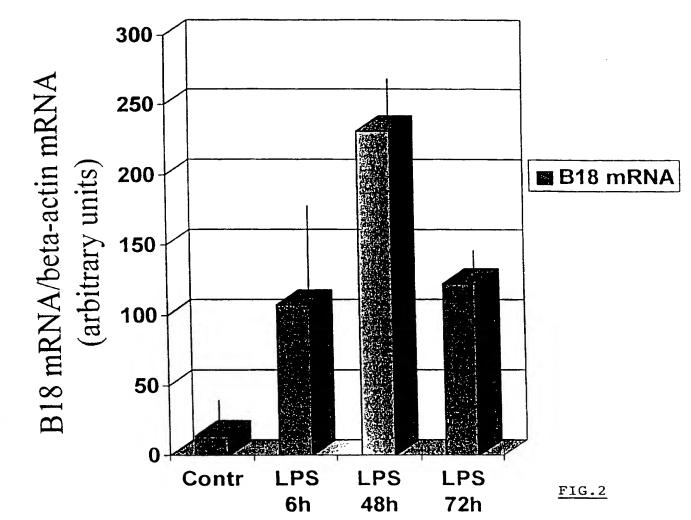


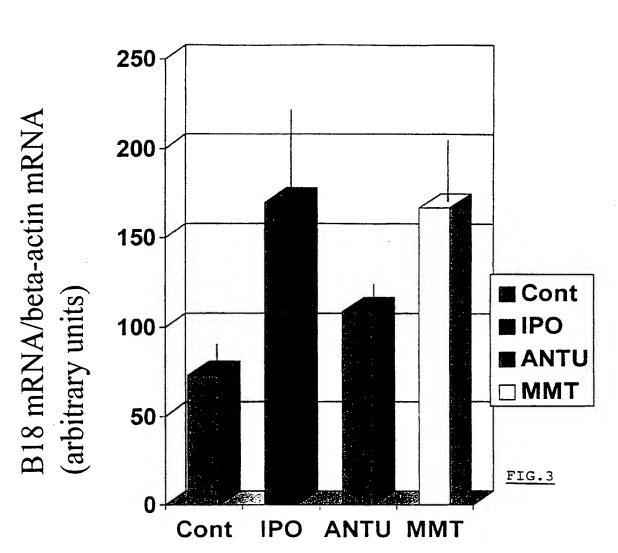
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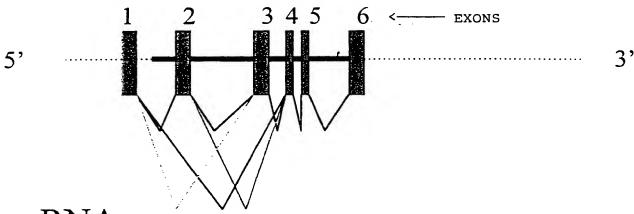
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Gene (chromosome 11q12-13)



mRNAs

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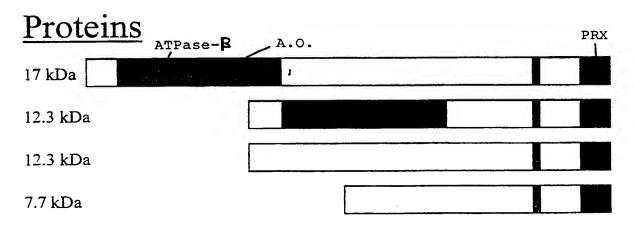
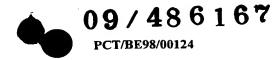


FIG.4





CLUSTAL V alignment of human and rat B18 amino acid sequences (Identity: 90%, Homology: 97.5%):

5/7

MAPIKVGDAIPAVEVFEGEPGNKVNLAELFKGKKGVLFGVPGAFTPGCSK = SEQIDNO1 B18hum MAPIKVGDTIPSVEVFEGEPGKKVNLAELFKDKKGVLFGVPGAFTPGCSK B18rat ******* THLPGFVEQAEALKAKGVQVVACLSVNDAFVTGEWGRAHKAEGKVRLLAD B18hum FIG.5a THLPGFVEOAGALKAKGAQVVACLSVNDVFVTAEWGRAHQAEGKVQLLAD B18rat ****** **** ***** ****** *** *** **** B18hum PTGAFGKETDLLLDDSLVSIFGNRRLKRFSMVVQDGIVKALNVEPDGTGL PTGAFGKETDLLLDDSLVSLFGNRRLKRFSMVIDKGVVKALNVEPDGTGL B18rat ******* TCSLAPNIISQL B18hum TCSLAPNILSQL B18rat *******

CLUSTAL V alignment of human and mouse B18 amino acid sequences (Identity: 91%, Homology: 96%):

B18hum MAPIKVGDAIPAVEVFEGEPGNKVNLAELFKGKKGVLFGVPGAFTPGCSK MAPIKVGDAIPSVEVFEGEPGKKVNLAELFKGKKGVLFGVPGAFTPGCSK B18mouse ******** THLPGFVEQAEALKAKGVQVVACLSVNDAFVTGEWGRAHKAEGKVRLLAD B18hum B18mouse THLPGFVEQAGALKAKGAQVVACLSVNDVFVIEEWGRAHQAEGKVRLLAD ***** PTGAFGKETDLLLDDSLVSIFGNRRLKRFSMVVQDGIVKALNVEPDGTGL B18hum Bl8mouse PTGAFGKATDLLLDDSLVSLFGNRRLKRFSMVIDNGIVKALNVEPDGTGL ****** TCSLAPNIISQL B18hum TCSLAPNILSQL . B18mouse ******

CLUSTAL V alignment of human and rat cDNA sequences (identity: 612/780, 78.5%):





6/7

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FIG.5b	
B18hum B18rat	GCGTCTGGCGGGGTCCGCAGTTTCAGCAGAGCCGCTGCAGCCATGGCCCC GAGTGTGGTGGGGCCCGCAGCTTCAGCAGTGCCGCGGTGACTATGGCCCC * ** *** *** **** ***** ****** * * *****
B18hum B18rat	AATCAAGGTGGGAGATGCCATCCCAGCAGTGGAGGTGTTTGAAGGGGAGC GATCAAGGTGGGAGACACCATTCCCTCAGTGGAGGTATTTGAAGGGGAAC
B18hum B18rat	CAGGGAACAAGGTGAACCTGGCAGAGCTGTTCAAGGGCAAGAAGGGTGTG CTGGAAAGAAGGTGAACTTGGCAGAGCTGTTCAAGGACAAGAAAGGTGTT * ** ** ******* *****************
B18hum B18rat	CTGTTTGGAGTTCCTGGGGCCTTCACCCCTGGATGTTCCAAGACACACCT TTGTTTGGAGTCCCTGGGCATTTACACCTGGCTGTTCCAAGACCCATCT ********* ******* ** ** ****** ****** ** **
B18hum B18rat	GCCAGGGTTTGTGGAGCAGGCTGAGGCTCTGAAGGCCAAGGGAGTCCAGG GCCTGGGTTTGTGGAGCAAGCCGGAGCTCTGAAGGCCAAGGGAGCACAAG *** ********** ** * ****************
B18hum B18rat	TGGTGGCCTGTCTGAGTGTTAATGATGCCTTTGTGACTGGCGAGTGGGGC TGGTGGCCTGTCTGAGTGTTAATGATGTCTTCGTGACTGCAGAGTGGGGT *****************************
B18hum B18rat	CGAGCCCACAAGGCGAAGGCAAGGTTCGGCTCCTGGCTGATCCCACTGG CGAGCCCACCAGGCAGAAGGCAAGGTTCAGCTCCTGGCTGACCCCACTGG ********* **** ********* ***********
B18hum B18rat	GGCCTTTGGGAAGGAGACAGACTTATTACTAGATGATTCGCTGGTGTCCA AGCTTTTGGAAAGGAGACAGATTTACTACTAGATGATTCTTTGGTGTCTC ** **** *********** *** ***********
B18hum B18rat	TCTTTGGGAATCGACGTCTCAAGAGGTTCTCCATGGTGGTACAGGATGGC TCTTTGGGAATCGTCGGCTAAAAAGGTTCTCCATGGTGATAGACAAGGGC *****************************
B18hum B18rat	ATAGTGAAGGCCCTGAATGTGGAACCAGATGGCACAGGCCTCACCTGCAG GTAGTAAAGGCACTGAACGTGGAGCCGGATGGCACAGGCCTCACCTGCAG **** **** ***** ***** ***************
B18hum B18rat	CCTGGCACCCAATATCATCTCACAGCTCTGAGGCCCTGGGCCAGATTACT CCTGGCCCCCAACATCCTCTCACAACTCTGAGGCCCTGA-CCAGAATG
B18hum B18rat	TCCTCCACCCCTCCCTATCTCACCTGCCCAGCCCTGTGCTGG-GGCCCTG TCCTCTGACTCTCCC-ATCTCCTCCACCCAGCTCTGGGCCAAAGGCCCAG *****
B18hum B18rat	CATTGGCCAGATTTCTGC TACCTCCTTACCTGAGGGCCACTGGAATGGAA
B18hum B18rat	AATAAACACTTGTGGTTTGCGGAAAAAAAAAAAAAAAAA





7/7

CLUSTAL V alignment of human and mouse cDNA sequences (Identity: 552/675, 81.8%):

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	FIG.5
B18hum B18mouse	GCCAGGAGGCGGAGTGGAAGTGGCCGTGGGGCGGGTATGGGACTAGCTGG
Bl8hum Bl8mouse	CGTGTGCGCCCTGAGACGCTCAGCGGGCTATATACTCGTCGGTGGGGCCG
B18hum B18mouse	GCGGTCAGTCTGCGGCAGCGGCAGCAAGACGGTGCAGTGAAGGAGAGTGG GCAGGCAGAGCAGGCCGGAAAGAAGCAGGTTGG
B18hum B18mouse	GCGTCTGGCGGGGTCCGCAGTTTCAGCAGAGCCGCTGCAGCCATGGCCCC GAGTGTGGCGGAGCCCGCAGCTTCAGCAGCTCCGCGGTGACCATGGCCCC
B18hum B18mouse	AATCAAGGTGGGAGATGCCATCCCAGCAGTGGAGGTGTTTGAAGGGGAGC GATCAAGGTGGGAGATGCCATTCCCTCAGTGGAGGTATTTGAAGGGGAAC
B18hum B18mouse	CAGGGAACAAGGTGAACCTGGCAGAGCTGTTCAAGGGCAAGAAGGGTGTG CGGGAAAGAAGGTGAACTTGGCAGAGCTGTTCAAGGGCAAGAAAGGTGTT
B18hum B18mouse	CTGTTTGGAGTTCCTGGGGCCTTCACCCCTGGATGTTCCAAGACACACCT TTGTTTGGAGTCCCTGGGGCATTTACACCTGGCTGTTCTAAGACCCACCT
B18hum B18mouse	GCCAGGGTTTGTGGAGCAGGCTGAGGCTCTGAAGGCCAAGGGAGTCCAGG GCCTGGGTTTGTGGAGCAAGCTGGAGCTCTGAAGGCTAAGGGAGCGCAGG
B18hum B18mouse	TGGTGGCCTGTCTGAGTGTTAATGATGCCTTTGTGACTGGCGAGTGGGGC TGGTGGCCTGTCTGAGCGTTAATGACGTCTTTGTGATTGAAGAGTGGGGT
B18hum B18mouse	CGAGCCCACAAGGCGGAAGGCAAGGTTCGGCTCCTGGCTGATCCCACTGG CGAGCCCACCAGGCAGAAGGCAAGGTTCGGCTCCTGGCTGACCCCACTGG
B18hum B18mouse	GGCCTTTGGGAAGGAGÅCAGACTTATTACTAGATGATTCGCTGGTGTCCA AGCCTTTGGGAAGGCGACAGACTTATTATTGGATGATTCTTTGGTGTCTC
B18hum B18mouse	TCTTTGGGAATCGACGTCTCAAGAGGTTCTCCATGGTGGTACAGGATGGC TCTTTGGGAATCGTCGGCTGAAAAGGTTCTCCATGGTGATAGACAACGGC
B18hum B18mouse	ATAGTGAAGGCCCTGAATGTGGAACCAGATGGCACAGGCCTCACCTGCAG ATAGTGAAGGCACTGAACGTGGAGCCAGATGGCACAGGCCTCACCTGCAG
B18hum B18mouse	CCTGGCACCCAATATCATCTCACAGCTCTGAGGCCCTGGGCCAGATTACT CCTGGCCCCCAACATCCTCTCCCAACTCTGAGGCCCTGG-CCAGATG
B18hum B18mouse	TCCTCCACCCTCCCTATCTCACCTGCCCAGCCCTGTGCTGGGGCCCTGC TCCTCTGACTCTCCCATCTCTCCCACCCGGCTCTAGGCC
B18hum B18mouse	AATTGGAATGTTGGCCAGATTTCTGCAATAAACACTTGTGGTTTGCGGAA